**Supplementary materials**

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| **Table S1.** Complications occurred in the surviving children (n=20) |
| Follow-up period | Number of follow-up | The incidence of complications (%) | Complications |
| <1 month | 20 | 9 | 45.0% | 6 Secretion increase、2 Stent deformation、2 Stents migration、1 Pneumonia、1 Granulation tissue hyperplasia |
| 1~6 months | 17 | 12 | 70.6% | 7 Secretion increase、6 Granulation tissue hyperplasia、4 Stent deformation、1 Stents migration、1 Pneumonia |
| 7~12 months | 11 | 5 | 45.5% | 2 Secretion increase、2 Granulation tissue hyperplasia、2 Airway stenosis、1 Stent deformation、1 Airway softening |
| 1 ~6 years | 8 | 8 | 100.0% | 4 Granulation tissue hyperplasia、3 Airway stenosis、2 Stent deformation、1 Secretion increase、1 Airway softening、2 Stent breakage |
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